

Skills

- HTML | PHP | Laravel | C++ | C | OOP | Data Structure | Algorithms | MySQL | SQL | Agile
- Problem-Solving | OAuth2.0 | session token | JWT | API | Git | GitHub | Postman | SOLID | Clean-Code
- Leadership | Collaboration | Attention to details | Communication | English , Arabic – All professional proficiency or above

EDUCATION

Faculty of Science	University of Tanta	Sep 2019 – July 2023
<ul style="list-style-type: none">• B.S. in Computer Science - Very Good.• Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Data Structure; Object-Oriented-Programming.		

EXPERIENCE

Student Ambassador	Microsoft	April 2023 – Present
<ul style="list-style-type: none">• Microsoft Student Partners serve as on-campus ambassadors, assisting fellow students, leading local tech communities, and developing technical and career skills.• As a global group, they embody a passion for technology and strive to create a positive impact in their communities.		
Chapter Lead	Google Developer Student Club, Tanta	July 2022 – July 2023
<ul style="list-style-type: none">• Organized and led a team of student developers to plan and execute technical workshops, hackathons, and events, resulting in a threefold increase in overall participation and engagement within the club.• Collaborated with industry professionals and Google Developer Experts to create and deliver high-quality, hands-on learning experiences in the areas of web development, flutter development, embedded Systems, machine learning.• Participated in regional and national Google DSC events and conferences, networking with other leads, and sharing best practices to continuously improve the quality of the club's offerings.		
Problem Solving mentor	ICPC Tanta University	September 2021 – Present
<ul style="list-style-type: none">• Assisting problem-solving club members in honing their skills.• Offering advice to novice problem solvers.		

PROJECTS

Emerg-e-Care
<ul style="list-style-type: none">- About: Developed user and paramedic applications for the Egyptian Ministry of Health, enhancing emergency Response through streamlined communication and efficient information exchange.- Languages & Tools: PHP, Laravel, JWT, API, MySQL.- Repo: GitHub
Technically:
<ul style="list-style-type: none">- Implemented multi-authentication using guards to differentiate between users and paramedics, ensuring secure access and personalized functionalities in the app.- Utilized MySQL for robust data management, storing essential information such as national ID ,phone numbers, hashed passwords ,location data ,and photos for both users and paramedics in the application- Implemented JWT (JSON Web Token) for secure authentication, enhancing the application's integrity by utilizing tokens to validate and authorize user and paramedic interactions.
Features:
<ul style="list-style-type: none">- The authentication methods is<ul style="list-style-type: none">- Paramedic (Phone number and password)- User (National ID and password)- Incorporated functionality to contact the nearest paramedic and facilitate request acceptance with the app.

- Enabled photo upload functionality for both users and paramedics, enhancing user profiles and visual identification within the application.
- Implemented a comprehensive request history system, storing information on completed, in-progress , and canceled requests for thorough record-keeping within the application

Invoices

- **About:** Invoices is a dynamic dashboard website facilitating seamless management of invoices. It effortlessly handles invoice operations, including creation, modification, export, printing, and email notifications.
- **Languages & Tools:** Html, CSS, JavaScript, Ajax, PHP, SQL, Laravel.
- **Repo:** [GitHub](#)

Technically:

- Using Spatie Permission in Laravel, effectively streamlined user and admin permission management, fortifying application security and scalability with precision and efficiency.
- Using MySQL as a primary database for storing user information like name, hashed passwords , invoices details, Invoices attachments, sections and permission table.
- Using Laravel UI for authentication, I successfully integrated secure user registration, login, and password management features into the application. This implementation ensured robust authentication workflows, enhancing security and providing a seamless user experience.

Features:

- Laravel UI authentication method (email and password).
- Create, delete, update, and archive invoices.
- Upload image or pdf for invoices.
- There are two searching methods supported (Invoice number, Invoice type)
- Send emails about adding invoices.

Laboratory (El-m3ml APP)

- **About:** Developed a Laboratory Management System empowering the owner to effortlessly upload offers and analyses, while users gain access for viewing, optimizing collaboration and data accessibility.
- **Languages & Tools:** PHP, Laravel, JWT, API, MySQL.
- **Repo:** [GitHub](#)

Technically:

- Utilized MySQL for robust storage of user, laboratory , and analysis data, including hashed passwords and phone numbers, fortifying security in the Laboratory Management System.
- Implemented JWT (JSON Web Token) for secure authentication, enhancing the application's integrity by utilizing tokens to validate and authorize user and admin interactions.

Features:

- The authentication methods is (Phone number and password)
- Enabled seamless OTP sending through various SMS gateways and authentication process.
- Implemented analysis uploading and personalized display, ensuring users access only analyses relevant to their profile within the system.
- Enabled effortless addition, deletion, and updating of laboratory offers for streamlined management.

HONORS & AWARDS

- **Contestant (ACPC)**, ICPC Africa and Arab Collegiate Programming Championship (2022).
- **Bronze Medalist (ECPC)**, ICPC Egyptian Collegiate Programming Contest, (2022).
- **Contestant (ECPC)**, ICPC Egyptian Collegiate Programming Contest, (2023)
- **2x Contestant**, ICPC Tanta University Collegiate Programming Contest, **1st place** (2022, 2023).